



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/872,185

Source: OIPE

Date Processed by STIC: 6-20-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 72, 100

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 Misaligned Amino The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- Numbering
- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text.**
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- "bug"
- 7 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 Skipped Sequences Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10 ✓ Invalid <213> Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or
 Response scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
 "bug" resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING

DATE: 06/20/2001

PATENT APPLICATION: US/09/872,185

TIME: 12:23:27

Input Set : A:\64080.txt

Output Set: N:\CRF3\06202001\I872185.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Stern, David
 4 Herold, Kevan
 5 Yan, Shi Du
 6 Schmidt, Ann Marie
 7 Lamster, Ira
 9 <120> TITLE OF INVENTION: METHODS FOR TREATING INFLAMMATION
 11 <130> FILE REFERENCE: 0575/64080
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/872,185
 14 <141> CURRENT FILING DATE: 2001-06-01
 16 <160> NUMBER OF SEQ ID NOS: 16
 18 <170> SOFTWARE: PatentIn version 3.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 112
 22 <212> TYPE: PFI
 23 <213> ORGANISM: Human
 25 <400> SEQUENCE: 1
 27 Ala Glu Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys
 28 1 5 10 15
 30 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys Leu Asn
 31 20 25 30
 33 Thr Gly Arg Thr Glu Ala Trp Lys Val Leu Ser Pro Gln Gly Gly Gly
 34 35 40 45
 36 Pro Trp Asp Ser Val Ala Arg Val Leu Pro Asn Gly Ser Leu Phe Leu
 37 50 55 60
 39 Pro Ala Val Gly Ile Gln Asp Glu Gly Ile Phe Arg Cys Gln Ala Met
 40 65 70 75 80
 42 Asn Arg Asn Gly Lys Glu Thr Lys Ser Asn Tyr Arg Val Arg Val Tyr
 43 85 90 95
 45 Gln Ile Pro Gly Lys Pro Glu Ile Val Asp Ser Ala Ser Glu Leu Thr
 46 100 105 110
 48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 332
 50 <212> TYPE: PFI
 51 <213> ORGANISM: Human
 53 <400> SEQUENCE: 2
 55 Ala Glu Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys
 56 1 5 10 15
 58 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys Leu Asn
 59 20 25 30
 61 Thr Gly Arg Thr Glu Ala Trp Lys Val Leu Ser Pro Gln Gly Gly Gly
 62 35 40 45
 64 Pro Trp Asp Ser Val Ala Arg Val Leu Pro Asn Gly Ser Leu Phe Leu
 65 50 55 60
 67 Pro Ala Val Gly Ile Gln Asp Glu Gly Ile Phe Arg Cys Gln Ala Met
 68 65 70 75 80
 70 Asn Arg Asn Gly Lys Glu Thr Lys Ser Asn Tyr Arg Val Arg Val Tyr
 71 85 90 95

DATE: 06/20/2001

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Output Set: N:\CRF3\06202001\I872185.raw

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118 <210> SEQ ID NO: 3
119 <211> LENGTH: 30
120 <212> TYPE: PPT
121 <213> ORGANISM: Peptide
122 <400> SEQUENCE: 3
125 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys
126 1 5 10 15
128 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys
129 20 25 30
131 <210> SEQ ID NO: 4
132 <211> LENGTH: 30
133 <212> TYPE: PPT
134 <213> ORGANISM: Peptide
135 <400> SEQUENCE: 4
138 Gly Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Ser Cys
139 1 5 10 15
141 Lys Gly Ala Pro Lys Lys Pro Pro Gln Gln Leu Glu Trp Lys
142 20 25 30
144 <210> SEQ ID NO: 5

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RAW SEQUENCE LISTING

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145 <211> LENGTH: 30
146 <212> TYPE: PRT
147 <213> ORGANISM: Peptide
149 <400> SEQUENCE: 5
151 Gly Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Met Leu Ser Cys
152 1 5 10 15
154 Lys Ala Ala Pro Lys Lys Pro Thr Gln Lys Leu Glu Trp Lys
155 20 25 30
157 <210> SEQ ID NO: 6
158 <211> LENGTH: 30
159 <212> TYPE: PRT
160 <213> ORGANISM: Peptide
162 <400> SEQUENCE: 6
164 Asp Gln Asn Ile Thr Ala Arg Ile Gly Lys Pro Leu Val Leu Asn Cys
165 1 5 10 15
167 Lys Gly Ala Pro Lys Lys Pro Pro Gln Gln Leu Glu Trp Lys
168 20 25 30
170 <210> SEQ ID NO: 7
171 <211> LENGTH: 30
172 <212> TYPE: PRT
173 <213> ORGANISM: Peptide
175 <400> SEQUENCE: 7
177 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys
178 1 5 10 15
180 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys
181 20 25 30
183 <210> SEQ ID NO: 8
184 <211> LENGTH: 10
185 <212> TYPE: PRT
186 <213> ORGANISM: Peptide
188 <400> SEQUENCE: 8
190 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu
191 1 5 10
193 <210> SEQ ID NO: 9
194 <211> LENGTH: 50
195 <212> TYPE: PRT
196 <213> ORGANISM: Bovine
198 <220> FEATURE:
199 <221> NAME/KEY: UNSURE
200 <222> LOCATION: (47)..(47)
201 <223> OTHER INFORMATION: Where X= unsure
204 <400> SEQUENCE: 9
206 Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Gly His Gln
207 1 5 10 15
209 Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Tyr Glu Leu
210 20 25 30
W--> 212 Lys Gln Leu Gly Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Xaa Lys
213 35 40 45
215 Asp Gln

```

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216      50
218 <210> SEQ ID NO: 10
219 <211> LENGTH: 18
220 <212> TYPE: PRT
221 <213> ORGANISM: Bovine
223 <400> SEQUENCE: 10
225 Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val
226 1      5      10      15
228 Leu Lys
231 <210> SEQ ID NO: 11
232 <211> LENGTH: 90
233 <212> TYPE: PRT
234 <213> ORGANISM: Bovine
236 <400> SEQUENCE: 11
238 Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln
239 1      5      10      15
241 Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu
242      20      25      30
244 Lys Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys
245      35      40      45
247 Asp Gln Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys
248      50      55      60
250 Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val
251 65      70      75      80
253 Leu Lys Thr Ala His Ile Asp Ile His Lys
254      85      90
256 <210> SEQ ID NO: 12
257 <211> LENGTH: 90
258 <212> TYPE: PRT
259 <213> ORGANISM: Bovine
261 <400> SEQUENCE: 12
263 Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln
264 1      5      10      15
266 Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu
267      20      25      30
269 Lys Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys
270      35      40      45
272 Asp Gln Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys
273      50      55      60
275 Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val
276 65      70      75      80
278 Leu Lys Thr Ala His Ile Asp Ile His Lys
279      85      90
281 <210> SEQ ID NO: 13
282 <211> LENGTH: 21
283 <212> TYPE: DNA
284 <213> ORGANISM: Sense Primer
286 <400> SEQUENCE: 13
287 gtaagcggg ctcctgttgc a

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RAW SEQUENCE LISTING
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Input Set : A:\64080.txt
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290 <210> SEQ ID NO: 14
291 <211> LENGTH: 21
292 <212> TYPE: DNA
293 <213> ORGANISM: Antisense Primer
295 <400> SEQUENCE: 14
296 ggcgaaggct ggggtgaag g
299 <210> SEQ ID NO: 15
300 <211> LENGTH: 9
301 <212> TYPE: PRT
302 <213> ORGANISM: Peptide
304 <400> SEQUENCE: 15
306 Ala Ser Gln Arg Lys Pro Ser Gln Arg
307 1 5
309 <210> SEQ ID NO: 16
310 <211> LENGTH: 395
311 <212> TYPE: DNA
312 <213> ORGANISM: Bovine
314 <400> SEQUENCE: 16
315 atgactaagc tggaggacca cctggaggga atcatcaaca tttccacca gtactccgtt 60
317 cgggtggggc atttcgacac cctcaacaag cgtgagctga agcagctgat cacaaaggga 120
319 atttcccaaa accctccaga acaccaaaga ccaacctacc attgacaaaa tattccaaga 180
321 cctggatgcc gataaagacg gagccgtcag ctttgaggaa ttcgtagtc tgggtgccag 240
323 ggtgctgaaa acagcccaca tagatatcca caaagagtag gtttccagca atgttcccaa 300
325 gaagacttac ctttctctc cctgaggctg cttcccagg gagagagaat tataaacgta 360
327 ctttggcaaa ttcttagcaa aaaaaaaaaa aaaaa 395

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/872,185

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Input Set : A:\64080.txt

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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9